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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/829,229	04/22/2004	Ho Seon Choi	0465-1134P	5949	
2292 75	590 10/13/2005		EXAM	EXAMINER	
BIRCH STEV	VART KOLASCH & E	PHAM, MINH	H CHAU THI		
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER	
	,		1724		
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DATE MAILED: 10/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(a)				
Office Action Summary		Application No.	Applicant(s)				
		10/829,229	CHOI ET AL.				
		Examiner	Art Unit .				
		Minh-Chau T. Pham	1724				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)	Responsive to communication(s) filed on						
	This action is FINAL . 2b)⊠ This action is non-final.						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)🖾	4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
	5) Claim(s) is/are allowed.						
	☑ Claim(s) <u>1-20</u> is/are rejected.						
_	Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/or	election requirement.					
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) 🔲 Notice 3) 🔯 Inforn	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date 8/11/05 & 12/29/04	4) lnterview Summary (Paper No(s)/Mail Dai 5) Notice of Informal Pa 6) Other:	PTO-413) te atent Application (PTO-152)				

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Guiles, Jr. (5,538,471), in view of either Lohr et al (6,878,177 B2) or the Korean Patent (KR 1020030016787 A).

Guiles, Jr. discloses an air cleaner comprising a cabinet (12) including an inlet drawing a room air, and an outlet discharging a cleaned air to a room, a filter assembly (24) provided inside the cabinet so as to remove dust and particles from the room air drawn through the inlet, a fan (22) provided inside the cabinet so as to discharge the cleaned air to the outlet after drawing the room air, and a sensor assembly (92) provided inside the cabinet so as to sense the room air contaminants drawn through the

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inlet. Guiles, Jr. also discloses the air cleaner including a sensor (70) measuring a temperature inside the room, a sensor (84) measuring a dust content of the room air, a sensor (88) measuring the humidity inside the room, and that the air cleaner further comprising a cooling (26) and a heating (28) device provided inside the cabinet (12) so as to cool or heat the cleaned air. Claims 1-20 differ from the disclosure of Guiles, Jr. in that the air cleaner has a sensor to sense composition of the room air. Lohr et al disclose a chamber of an incubator including a humidity sensor (128), a CO2 sensor (130) which may be of a thermal conductivity or infrared variety (col. 5, lines 15-19). The Korean reference discloses a sensor assembly for an indoor air quality control system comprising component sensors arranged in certain array to measure temperature, humidity, oxygen, carbon dioxide, carbon monoxide and malodorous components of the indoor air (see Abstract). It would have been obvious to a person having ordinary skill in the art at the time the invention was made to provide a sensor to measure composition of air as taught either by Lohr et al or the Korean reference since the sensor will proactively check the degree of contaminants in the air stream and trigger a response of the air cleaner to clean or remove undesired contaminants out of the room air and to protect the user in the room.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh-Chau T. Pham whose telephone number is (571) 272-1163. The examiner can normally be reached on Mon/Tues/Thur/Fri 7:00 am - 5:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on (571) 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Minh-Chau Pham

Patent Examiner Art Unit: 1724

October 7, 2005